



# **Functional Independence Mathematics**

**Official Released Items**

## **Grade 5**

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**Fall 2007  
Official Released Items**

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*The Grade 5 Functional Independence Mathematics Assessment* was administered for the first time in Fall 2005. Beginning with this administration, the Office of Educational Assessment and Accountability (OEAA) will annually release a portion of the items that are administered on the assessment. This booklet contains released items from the Fall 2007 administration and is intended to be used by districts to assist in their interpretation of item analysis data. The information contained in this booklet may also be used by schools, teachers, and parents as a resource for understanding the content and format of the assessment items. In addition to MI-Access training materials and Extended Grade Level Content Expectations (EGLCE), the released items may also have utility in informing decisions related to instruction, curriculum, and assessment. These items are **not** secure and may be copied and distributed as needed.

The table below lists the number of core and released items administered on the Fall 2007 Grade 5 assessment booklet. Core items are those that count toward students' scores. All released items in this booklet were selected from the pool of core items that appeared on the assessment.

**Functional Independence Mathematics Grade 5**

<b>Mathematics Strand</b>	<b>Number of Core Items</b>
Numbers and Operations	16
Measurement	10
Geometry	2
Data and Probability	2
<b>Total Core Items/Points</b>	<b>30</b>
<b>Released Items</b>	<b>10 (Numbers vary by strand and topic.)</b>

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**DIRECTIONS:** Read each question. Choose the **BEST** answer for each question.

**R1** Which unit can be used to measure how long you sleep at night?

- A** inches
- B** hours
- C** pounds

**R2** Rob is 4 feet tall.

His sister is 2 feet tall.

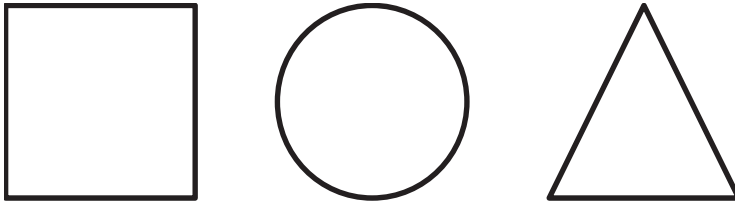
How much **taller** is Rob than his sister?

**A** 2 feet

**B** 4 feet

**C** 6 feet

Use the figure below to answer question **R3**.



**R3** Which figure has only 3 sides?

- A** circle
- B** square
- C** triangle

Use the coin below to answer question **R4**.



**R4** What is the value of the coin shown?

- A** 1¢
- B** 5¢
- C** 10¢

Use the coins below to answer question **R5**.



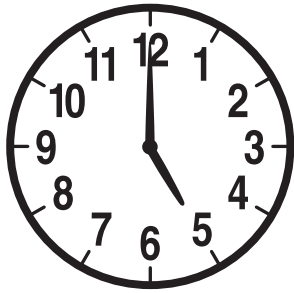
**R5** How much money is shown in the picture?

**A** 85¢

**B** 75¢

**C** 60¢

**R6** It is 5:00 now.



What time will it be in 2 hours?

**A** 7:00

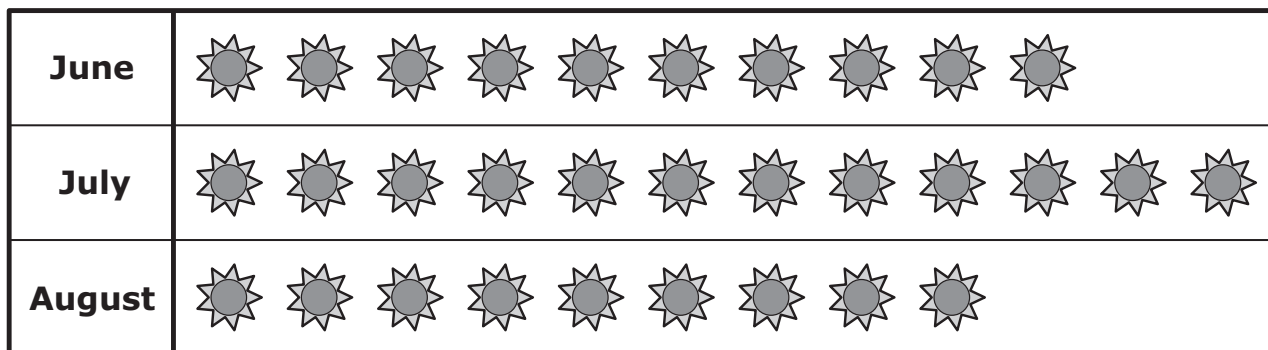
**B** 6:00

**C** 3:00



Use the graph below to answer question **R7**.

### Sunny Days



**R7** The graph shows how many sunny days there were in each month.

Which month had the **fewest** sunny days?

- A** June
- B** July
- C** August

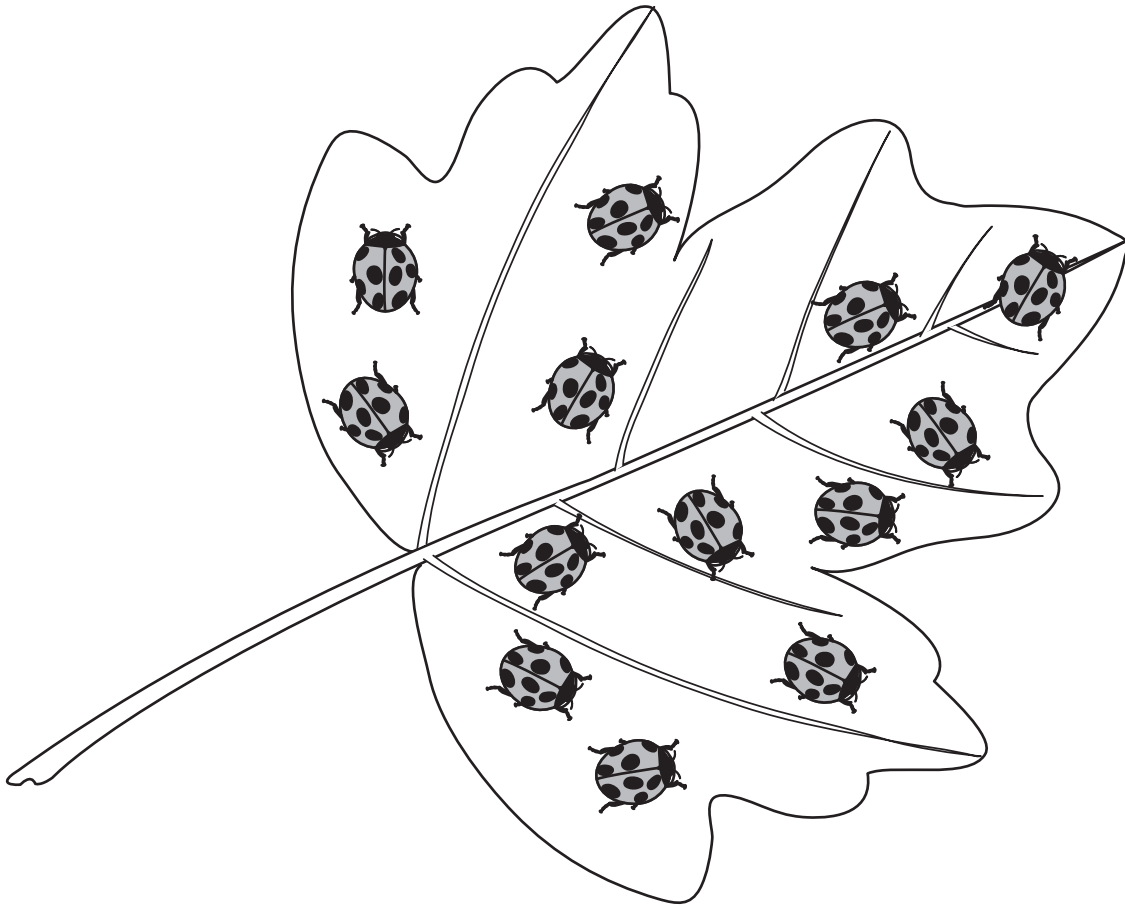
**R8** What is another way to show the number 11?

**A**     $26 - 15$

**B**     $17 - 16$

**C**     $30 - 22$

**R9** There were 13 bugs sitting on a leaf.



Seven bugs flew away.

How many bugs stayed on the leaf?

**A** 3

**B** 5

**C** 6

**R10** Which number goes in the blank?

$$32 + \underline{\hspace{1cm}} = 40$$

**A** 4

**B** 8

**C** 10



**Do Not Continue.**



**Do not continue until instructed to do so.**

Below is a list of the Extended Grade Level Content Expectations (EGLCE) for each released item found in this booklet. The chart contains the EGLCE code, a brief description of what is measured, and the correct answer for each released item.

Because the assessment was administered during the **fall** of the school year, only content from the *previous* grade level was measured on the assessment. For example, items eligible for the Grade 5 assessment will measure the Grade 4 EGLCE.

Full descriptions of the EGLCE contained in the chart below are available for review and download at **[www.mi.gov/mi-access](http://www.mi.gov/mi-access)**.

Released Item	EGLCE Code	STRAND or Abbreviated Extended GLCE Descriptor	Answer Key
		<b>DATA AND PROBABILITY</b>	
R7	D.RE.04.EG02	Read tables, graphs, tallies, and pictographs	C
		<b>GEOMETRY</b>	
R3	G.GS.04.EG01	Identify, describe, and compare two-dimensional shapes	C
		<b>MEASUREMENT</b>	
R1	M.UN.04.EG02	Select units of measure	B
R2	M.PS.04.EG06	Solve one-step word problems	A
R4	M.UN.04.EG07	Identify different denominations of coins and bills	B
R5	M.PS.04.EG09	Tell the amount of money	A
R6	M.PS.04.EG06	Solve one-step word problems	A
		<b>NUMBERS AND OPERATIONS</b>	
R8	N.ME.04.EG02	Explore and recognize equivalent representations and models for whole numbers to 1000	A
R9	N.MR.04.EG13	Model addition/subtraction for numbers less than 100	C
R10	N.MR.04.EG14	Solve open sentences for addition and subtraction	B





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